(19) World Intellectual Property Organization

International Bureau



! DATA BURGUS BURGU

(43) International Publication Date 15 December 2005 (15.12.2005)

PCT

(10) International Publication Number WO 2005/117851 A1

(51) International Patent Classification7:

A61K 31/16

(21) International Application Number:

PCT/US2005/018757

(22) International Filing Date:

27 May 2005 (27.05.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

10/856,348 60/608,951

28 May 2004 (28.05.2004) US 26 October 2004 (26.10.2004) US

(71) Applicant (for all designated States except US): SALIX PHARMACEUTICALS, INC. [US/US]; 8540 Colonnade

Center Drive, Suite 501, Raleigh, NC 27615 (US).

- (72) Inventors; and
- (75) Inventors/Applicants (for US only): BETTENHAUSEN, Doug [US/US]; 8301 Davishire Drive, Raleigh, NC 27615-1848 (US). JAHRAUS, Christopher [US/US]; 924 Andover Green, Lexington-Fayette, KY 40509-2929 (US).
- (74) Agents: PATTON, Stephana, E. et al.; Edwards & Angell, LLP, P.O. Box 55874, Boston, MA 02205 (US).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PREVENTION, TREATMENT, AND AMELIORATION OF RADIATION INDUCED ENTERITIS

(57) Abstract: The present invention provides a new method of ameliorating and/or treating enteritis induced by radiation therapy, alone or in combination with other therapies, for the treatment of, for example, gastrointestinal malignancies, including colorectal, appendiceal, anal, or small bowel cancers; urogenital malignancies, including prostate, ladder, testicular, or penile cancers; gynecologic malignancies, including cervical, endometrial, ovarian, vaginal, or vulvar cancers; or osteogenic and other sarcomatous malignancies in which pelvic structures are involved, comprising the administration of a therapeutically effective amount of balsalazide to a patient in need thereof.